

SEQUENCE LISTING

M

<110> Raines, Ronald T.

<120> Oxidation-Resistant Ribonuclease Inhibitor

<130> 960296.95360

5 <140> US/09/234,028

<141> 1999-01-20

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

10 <211> 456

25

<212> PRT

<213> Rattus sp.

<400> 1

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Cys Gly Leu Thr Glu Val Arg Cys Lys Asp Ile Arg Ser Ala Ile Gln
35 40 45

20 Ala Asn Pro Ala Leu Thr Glu Leu Ser Leu Arg Thr Asn Glu Leu Gly
50 55 60

Asp Ala Gly Val Gly Leu Val Leu Gln Gly Leu Gln Asn Pro Thr Cys
65 70 75 80

Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly
85 90 95

Cys Gly Val Leu Pro Asp Val Leu Arg Ser Leu Ser Thr Leu Arg Glu
100 105 110

Leu His Leu Asn Asp Asn Pro Leu Gly Asp Glu Gly Leu Lys Leu Leu Cys Glu Gly Leu Arg Asp Pro Gln Cys Arg Leu Glu Lys Leu Gln Leu Glu Tyr Cys Asn Leu Thr Ala Thr Ser Cys Glu Pro Leu Ala Ser Val Leu Arg Val Lys Pro Asp Phe Lys Glu Leu Val Leu Ser Asn Asp Phe His Glu Ala Gly Ile His Thr Leu Cys Gln Gly Leu Lys Asp Ser Ala Cys Gln Leu Glu Ser Leu Lys Leu Glu Asn Cys Gly Ile Thr Ser Ala Asn Cys Lys Asp Leu Cys Asp Val Val Ala Ser Lys Ala Ser Leu Gln Glu Leu Asp Leu Gly Ser Asn Lys Leu Gly Asn Thr Gly Ile Ala Ala Leu Cys Ser Gly Leu Leu Pro Ser Cys Arg Leu Arg Thr Leu Trp Leu Trp Asp Cys Asp Val Thr Ala Glu Gly Cys Lys Asp Leu Cys Arg Val Leu Arg Ala Lys Gln Ser Leu Lys Glu Leu Ser Leu Ala Gly Asn Glu Leu Lys Asp Glu Gly Ala Gln Leu Leu Cys Glu Ser Leu Leu Glu Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Thr Cys Ser Leu Thr Ala Ala Ser Cys Pro His Phe Cys Ser Val Leu Thr Lys Asn Ser

Ser Leu Phe Glu Leu Gln Met Ser Ser Asn Pro Leu Gly Asp Ser Gly 340 345 350

Val Val Glu Leu Cys Lys Ala Leu Gly Tyr Pro Asp Thr Val Leu Arg 355 360 365

Val Leu Trp Leu Gly Asp Cys Asp Val Thr Asp Ser Gly Cys Ser Ser 370 380

Leu Ala Thr Val Leu Leu Ala Asn Arg Ser Leu Arg Glu Leu Asp Leu 385 390 395 400

Ser Asn Asn Cys Met Gly Asp Asn Gly Val Leu Gln Leu Leu Glu Ser 405 410 415

10 Leu Lys Gln Pro Ser Cys Ile Leu Gln Gln Leu Val Leu Tyr Asp Ile 420 425 430

Tyr Trp Thr Asp Glu Val Glu Asp Gln Leu Arg Ala Leu Glu Glu 435 440 445

Arg Pro Ser Leu Arg Ile Ile Ser 450 455

<210> 2 <211> 456 <212> PRT

<213> Sus sp.

20 <400> 2

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Met Asn Leu Asp Ile His Cys Glu Gln Leu Ser Asp Ala Arg Trp Thr 1 5 10 15

Glu Leu Pro Leu Leu Gln Gln Tyr Glu Val Val Arg Leu Asp Asp 20 25 30

25 Cys Gly Leu Thr Glu Glu His Cys Lys Asp Ile Gly Ser Ala Leu Arg
35 40 45

Ala Asn Pro Ser Leu Thr Glu Leu Cys Leu Arg Thr Asn Glu Leu Gly 50 55 60

Asp Ala Gly Val His Leu Val Leu Gln Gly Leu Gln Ser Pro Thr Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly Cys Gly Val Leu Pro Ser Thr Leu Arg Ser Leu Pro Thr Leu Arg Glu Leu His Leu Ser Asp Asn Pro Leu Gly Asp Ala Gly Leu Arg Leu Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys His Leu Glu Lys Leu Gln Leu Glu Tyr Cys Arg Leu Thr Ala Ala Ser Cys Glu Pro Leu Ala Ser Val Leu Arg Ala Thr Arg Ala Leu Lys Glu Leu Thr Val Ser Asn Asn Asp Ile Gly Glu Ala Gly Ala Arg Val Leu Gly Gln Gly Leu Ala Asp Ser Ala Cys Gln Leu Glu Thr Leu Arg Leu Glu Asn Cys Gly Leu Thr Pro Ala Asn Cys Lys Asp Leu Cys Gly Ile Val Ala Ser Gln Ala Ser Leu Arg Glu Leu Asp Leu Gly Ser Asn Gly Leu Gly Asp Ala Gly Ile Ala Glu Leu Cys Pro Gly Leu Leu Ser Pro Ala Ser Arg Leu Lys Thr Leu Trp Leu Trp Glu Cys Asp Ile Thr Ala Ser Gly Cys Arq Asp Leu Cys Arg Val Leu Gln Ala Lys Glu Thr Leu Lys Glu Leu Ser Leu Ala Gly

Asn Lys Leu Gly Asp Glu Gly Ala Arg Leu Leu Cys Glu Ser Leu Leu Gln Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Ser Cys Ser Leu Thr Ala Ala Cys Cys Gln His Val Ser Leu Met Leu Thr Gln Asn Lys His Leu Glu Leu Gln Leu Ser Ser Asn Lys Leu Gly Asp Ser Gly Ile Gln Glu Leu Cys Gln Ala Leu Ser Gln Pro Gly Thr Thr Leu Arg Val Leu Cys Leu Gly Asp Cys Glu Val Thr Asn Ser Gly Cys Ser Ser Leu Ala Ser Leu Leu Leu Ala Asn Arg Ser Leu Arg Glu Leu Asp Leu Ser Asn Asn Cys Val Gly Asp Pro Gly Val Leu Gln Leu Gly Ser 410 . Leu Glu Gln Pro Gly Cys Ala Leu Glu Gln Leu Val Leu Tyr Asp Thr Tyr Trp Thr Glu Glu Val Glu Asp Arg Leu Gln Ala Leu Glu Gly Ser Lys Pro Gly Leu Arg Val Ile Ser

<210> 3 <211> 461

<212> PRT

25 <213> Homo sapien

<400> 3

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Val Arg Leu Asp Asp Cys Gly Leu Thr Glu Ala Arg Cys Lys Asp Ile Ser Ser Ala Leu Arg Val Asn Pro Ala Leu Ala Glu Leu Asn Leu Arg Ser Asn Glu Leu Gly Asp Val Gly Val His Cys Val Leu Gln Gly Leu Gln Thr Pro Ser Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Cys Leu Thr Gly Ala Gly Cys Gly Val Leu Ser Ser Thr Leu Arg Thr Leu Pro Thr Leu Gln Glu Leu His Leu Ser Asp Asn Leu Leu Gly Asp Ala Gly Leu Gln Leu Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys Arg Leu Glu Lys Leu Gln Leu Glu Tyr Cys Ser Leu Ser Ala Ala Ser Cys Glu Pro Leu Ala Ser Val Leu Arg Ala Lys Pro Asp Phe Lys Glu Leu Thr Val Ser Asn Asn Asp Ile Asn Glu Ala Gly Val Arg Val Leu Cys Gln Gly Leu Lys Asp Ser Pro Cys Gln Leu Glu Ala Leu Lys Leu Glu Ser Cys Gly Val Thr Ser Asp Asn Cys Arg Asp Leu Cys Gly Ile Val Ala Ser Lys Ala Ser Leu Arg Glu Leu Ala Leu Gly Ser Asn Lys Leu Gly

Asp Ala Arg Trp Ala Glu Leu Leu Pro Leu Gln Gln Cys Gln Val

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arthol	Arg	Leu	Arg	Thr 260	Leu	Trp	Ile	Trp	Glu 265	Cys	Gly	Ile	Thr	Ala 270	Lys	Gly
5	Cys	Gly	Asp 275	Leu	Cys	Arg	Val	Leu 280	Arg	Ala	Lys	Glu	Ser 285	Leu	Lys	Glu
	Leu	Ser 290	Leu	Ala	Gly	Asn	Glu 295	Leu	Gly	Asp	Glu	Gly 300	Ala	Arg	Leu	Leu
	Cys 305	Glu	Thr	Leu	Leu	Glu 310	Pro	Gly	Cys	Gln	Leu 315	Glu	Ser	Leu	Trp	Val 320
10	Lys	Ser	Cys	Ser	Phe 325	Thr	Ala	Ala	Cys	Cys 330	Ser	His	Phe	Ser	Ser 335	Val
	Leu	Ala	Ġln	Asn 340	Arg	Phe	Leu	Leu	Glu 345	Leu	Gln	Ile	Ser	Asn 350	Asn	Arg
15	Leu	Glu	Asp 355	Ala	Gly	Val	Arg	Glu 360	Leu	Cys	Gln	Gly	Leu 365	Gly	Gln	Pro
	Gly	Ser 370	Val	Leu	Arg	Val	Leu 375	Trp	Leu	Ala	Asp	Cys 380	Asp	Val	Ser	Asp
	Ser 385	Ser	Cys	Ser	Ser	Leu 390	Ala	Ala	Thr	Leu	Leu 395	Ala	Asn	His	Ser	Leu 400
20	Arg	Glu	Leu	Asp	Leu 405	Ser	Asn	Asn	Cys	Leu 410	Gly	Asp	Ala	Gly	Ile 415	Leu
	Gln	Leu	Val	Glu 420	Ser	Val	Arg	Gln	Pro 425	Gly	Cys	Leu	Leu	Glu 430	Gln	Leu
25	Val	Leu	Tyr 435	Asp	Ile	Tyr	Trp	Ser 440	Glu	Glu	Met	Glu	Asp 445	Arg	Leu	Gln
	Ala	Leu 450	Glu	Lys	Asp	Lys	Pro 455	Ser	Leu	Arg	Val	Ile 460	Ser			